

Detailed Estimate

OD/356/3403/118514/400420/00074151 : Construction of Residential Building at Panchayat Samiti, Sukinda
Block : Sukinda, Gram Panchayat : Sukindagarh
Created By:Ratnakar Sahoo

1. Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift								
Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	column	17.000	1.500	1.500	1.500	0.000	57.375	-
ii	Long Wall	3.000	18.100	0.600	0.500	0.000	16.290	-
iii	Short Wall	6.000	6.700	0.600	0.500	0.000	12.060	-
iv	Potico L Wall	1.000	4.100	0.600	0.500	0.000	1.230	-
v	Potico S W	2.000	3.225	0.600	0.500	0.000	1.935	-
vi	Column	22.000	1.500	0.600	0.500	0.000	-	9.900
Total Quantity						78.99 cum (cum)	78.99 Cum (Cubic Meter)	
Amount						78.99 X 240.77592	19018.89	
2. Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed								
Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.								
SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	17.000	1.500	1.500	0.300	0.000	11.475	-
ii	Long wall	3.000	18.100	0.600	0.150	0.000	4.887	-
iii	Short wall	6.000	6.700	0.600	0.150	0.000	3.618	-
iv	Potico LW	1.000	4.100	0.600	0.150	0.000	0.369	-

v	Potico SW	2.000	3.225	0.600	0.150	0.000	0.581	-
vi	Column	22.000	0.250	0.600	0.150	0.000	-	0.495
vii	Inside Bed room	2.000	3.950	4.050	1.200	0.000	38.394	-
viii	DO	2.000	4.050	3.350	1.200	0.000	32.562	-
ix	Kitchen	2.000	2.500	2.150	1.200	0.000	12.900	-
x	Dinning	2.000	4.800	2.150	1.200	0.000	24.768	-
xi	Stair	1.000	2.250	6.450	1.200	0.000	17.415	-
xii	Potico	1.000	3.850	3.100	1.200	0.000	14.322	-
Total Quantity					160.7955 cum (cum)		160.7955 Cum (Cubic Meter)	
Amount					160.7955 X 1054.301832		169526.99	
3. Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal								
Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.								
Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	22.000	1.500	1.500	0.200	0.000	9.900	-
ii	Long wall	3.000	18.100	0.600	0.150	0.000	4.887	-
iii	Short Wall	6.000	6.700	0.600	0.150	0.000	3.618	-
iv	Potico L W	1.000	4.100	0.600	0.150	0.000	0.369	-
v	Potico SW	2.000	3.225	0.600	0.150	0.000	0.581	-
vi	Column	22.000	0.250	0.600	0.150	0.000	-	0.495
Total Quantity					18.8595 cum (cum)		18.8595 Cum (Cubic Meter)	
Amount					18.8595 X 5971.67546566		112622.81	

4. Masonry Brick Work (AR0603b) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in foundation and plinth having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	L Wall	3.000	18.100	0.375	0.150	0.000	3.054	-
ii	short wall	6.000	6.700	0.375	0.150	0.000	2.261	-
iii	Potico L W	1.000	4.100	0.375	0.375	0.000	0.577	-
iv	S Wall	2.000	3.225	0.375	0.150	0.000	0.363	-
v	Long Wall	3.000	18.100	0.250	0.950	0.000	12.896	-
vi	S W	6.000	6.700	0.250	0.950	0.000	9.548	-
vii	Potico L W	1.000	4.100	0.250	0.950	0.000	0.974	-
viii	SW	1.000	3.225	0.250	0.950	0.000	0.766	-
ix	Column	22.000	0.375	0.375	0.150	0.000	-	0.464
x	Do	22.000	0.375	0.250	0.150	0.000	-	0.309
Total Quantity					29.665 cum (cum)		29.665 Cum (Cubic Meter)	
Amount					29.665 X 5010.143328288		148625.90	

5. Masonry Brick Work (AR0603bi) : Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure

Brickwork with Flyash Bricks of size (25cm x 12cm x 8cm) in cement mortar (1:6) in superstructure having crushing strength not less than 75.00 Kg/cm² with dimensional tolerance ± 8 percent immersing the bricks in water not less than six hours with cost conveyance, royalty, taxes of all materials, labor, and T&P required for the work, etc. complete and as per direction of Engineer-in-charge.

Sl No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	3.000	18.100	0.250	1.050	0.000	14.254	-
ii	Short wall	6.000	6.700	0.250	1.050	0.000	10.553	-

iii	Column	15.000	0.375	0.250	1.050	0.000	-	1.477
iv	Door	6.000	1.100	0.250	1.050	0.000	-	1.733
v	Do	2.000	0.900	0.250	1.050	0.000	-	0.473
vi	Do	2.000	0.750	0.250	1.050	0.000	-	0.394
vii	Main gate	1.000	2.250	0.250	1.050	0.000	-	0.591
Total Quantity					20.1403125 cum (cum)		20.1403125 Cum (Cubic Meter)	
Amount					20.1403125 X 5043.473328288		101577.13	

6. R.C.C. Work (AR0404Aa) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC foundation, footing bases of column, mass concrete, pre-cast slabs etc.)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Base	17.000	1.500	1.500	0.300	0.000	11.475	-
ii	Footing	17.000	0.375	0.250	1.900	0.000	3.028	-
Total Quantity					14.503125 cum (cum)		14.503125 Cum (Cubic Meter)	
Amount					14.503125 X 6511.4248872047		94436.01	

7. R.C.C. Work (AR0404Ab) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge (RCC Plinth band)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Long wall	3.000	18.350	0.250	0.250	0.000	3.441	-

ii	Short wall	6.000	6.450	0.250	0.250	0.000	2.419	-
iii	Potico LW	1.000	4.350	0.250	0.250	0.000	0.272	-
iv	Short wall	2.000	3.100	0.250	0.250	0.000	0.388	-
Total Quantity					6.51875 cum (cum)		6.51875 Cum (Cubic Meter)	
Amount					6.51875 X 7268.2470123464		47379.89	

8. R.C.C. Work (AR0404Ac) : Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips

Reinforced cement concrete work of M-20 grade with 20mm & down grade size black hard crusher broken granite chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty,taxes of all materials, labour and T&P required for the work etc. (including centring and shuttering) complete and as per direction of Engineer-in charge. (RCC Beams, Column, Girder & Bressmer etc)

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column	17.000	0.375	0.250	1.050	0.000	1.673	-
Total Quantity					1.6734375 cum (cum)		1.6734375 Cum (Cubic Meter)	
Amount					1.6734375 X 14567.178274525		24377.26	

9. R.C.C. Work (AR0409) : Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position

Supplying, fitting, and placing uncoated HYSD bar reinforcement including labor charges for cutting, bending, binding, and tying the grills and placing in position including cost of binding wire 18 to 20 gauge with cost of steel rod and as per drawing, design, and direction of Engineer-in-charge.

SI No	Description	No	L	B	D	CF	Quantity	Deduction
i	Column base /Footing	14.025	0.000	0.000	0.000	1.200	16.830	-
ii	Plinth Beam	6.510	0.000	0.000	0.000	1.200	7.812	-
iii	Column	1.514	0.000	0.000	0.000	1.000	1.514	-
Total Quantity					26.156 Qntl (Quintal)		26.156 Qntl (Quintal)	
Amount					26.156 X 8429.867838		220491.62	

Total Amount	938056.50
Addition	
Provision for PH Work (+) @	
Provision for EI Work (+) @	
Provision for Contingency (+) @	9380.57
Display Citizen Board (+) @	2562.00
Any Other Lumpsum (+) @	
Provision for survey investigation and quality control (+) @	
Total Addition	11942.57
Grand Net Total Amount	949999.07

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Sukinda Block

Asish Kumar Biswal
AEE
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BDO
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